

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/561, 143
Source: JFWP
Date Processed by STIC: 12/30/2005

ENTERED



1FWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/561,143

DATE: 12/30/2005
TIME: 09:22:06

Input Set : A:\Untitled.ST25.txt
Output Set: N:\CRF4\12302005\J561143.raw

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3 <110> APPLICANT: Peter Christian MORRIS
4      Yvonne STAHL
6 <120> TITLE OF INVENTION: Limit Dextrinase Inhibitor Promoter
8 <130> FILE REFERENCE: 13101/49202
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/561,143
C--> 11 <141> CURRENT FILING DATE: 2005-12-16
     13 <150> PRIOR APPLICATION NUMBER: PCT/GB2004/002589
W--> 14 <150> PRIOR APPLICATION NUMBER: 17-JUN-2004
W--> 16 <150> PRIOR APPLICATION NUMBER: GB 0313995.3
W--> 17 <151> PRIOR FILING DATE: 17-JUN-2003
20 <160> NUMBER OF SEQ ID NOS: 9
22 <170> SOFTWARE: PatentIn Ver. 2.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 833
26 <212> TYPE: DNA
27 <213> ORGANISM: Hordeum vulgare
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30 catcgattac tatagggcac gcgtggtcga cggccgggc tggatttgc caccatgt 60
32 atcataaaact tgtttttca ccgacaaaat attgcttcctc catttcgtcat taaaattgtc 120
34 aagcatgctt gcaacagtaa cacgaacatt cataaaaaaaa atattttta agaaaacatt 180
36 tactatttt ttgttactat tcatctggga gcatgtgctt ccggaaagcca aaatgcccct 240
38 tccaatatgc cccgtgtaaa agaaacccct tctttctaa aaatatataat catcgccgt 300
40 catgatacgt ttatgtattc aacgaaaaat attttcgtcat gtccacaaaa atgttttata 360
42 ttacacaagt gaacaaatat gataaaactcc ctctgtttaa ctatttttc tgtgaaataa 420
44 aaggatgaca atcaaacaatc tgtaaacaaa gaaaacatta tttccttagaa 480
46 ataaaaaaaaa agatttagagg gatatgtatt gtcgaaacac atgaggacta gaacaaaaga 540
48 aaaagggaaa tgagaaggaa aaaagggta accattaccc aaagaaaaaca gaaagtaaac 600
50 tagacgtgtc gaagggaaac ggagttgca ggggcgttcc aaattcagtt gcaagaacct 660
52 ccaaataaac gccaacaaga aagaaatgag cattacttgc ggccttgca ctcttatctc 720
54 tagcatctcc cgatacatac atacatgttag cctagctgca gatcttgaat agctattctt 780
56 gcccaccagg ccaagagatt gaaccaacga ccaataaaact agtatcaaca atg 833
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60 <211> LENGTH: 517
61 <212> TYPE: DNA
62 <213> ORGANISM: Hordeum vulgare
65 <220> FEATURE:
66 <221> NAME/KEY: CDS
67 <222> LOCATION: (14) .. (457)
69 <400> SEQUENCE: 2
70 actagtatca aca atg gca tcc gac cat cgt cgc ttc gtc ctc tcc ggc 49
71           Met Ala Ser Asp His Arg Arg Phe Val Leu Ser Gly
72           1          5          10
74 gcc gtc ttg ctc tcg gtc ctc gcc gtc gcc gcc acc ctg gag agc 97

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75 Ala Val Leu Leu Ser Val Leu Ala Val Ala Ala Ala Thr Leu Glu Ser			
76 15	20	25	
78 gtc aag gag tgc caa cca ggg gtg gac ttc ccg cat aac aac ccg tta			145
79 Val Lys Asp Glu Cys Gln Pro Gly Val Asp Phe Pro His Asn Pro Leu			
80 30	35	40	
82 gcc acc tgc cac acc tac gtg ata aaa cggtt gtc tgc ggc cgc ggt ccc			193
83 Ala Thr Cys His Thr Tyr Val Ile Lys Arg Val Cys Gly Arg Gly Pro			
84 45 50	55	60	
86 agc cgg ccc atg ctg gtg aag gag cgg tgc tgc cgg gag ctg gcg gcc			241
87 Ser Arg Pro Met Leu Val Lys Glu Arg Cys Cys Arg Glu Leu Ala Ala			
88 65	70	75	
90 gtc ccg gat cac tgc cgg tgc gag gcg ctg cgc atc ctc atg gac ggg			289
91 Val Pro Asp His Cys Arg Cys Glu Ala Leu Arg Ile Leu Met Asp Gly			
92 80	85	90	
94 gtg cgc acg ccg gag ggc cgc gtg gtt gag gga cgg ctc ggt gac agg			337
95 Val Arg Thr Pro Glu Gly Arg Val Val Glu Gly Arg Leu Gly Asp Arg			
96 95	100	105	
98 cgt gac tgc ccg agg gag gag cag agg gcg ttc gcc gcc acg ctt gtc			385
99 Arg Asp Cys Pro Arg Glu Glu Gln Arg Ala Phe Ala Ala Thr Leu Val			
100 110	115	120	
102 acg gcg gcg gag tgc aac cta tcg tcc gtc cag gag cgg gga gta cgc			433
103 Thr Ala Ala Glu Cys Asn Leu Ser Ser Val Gln Glu Pro Gly Val Arg			
104 125 130	135	140	
106 ttg gtg cta ctg gca gat gga tga cgatcgaaat gcgccaaagggt aatgaagcgg			487
107 Leu Val Leu Ala Asp Gly			
108 145			
110 agtactgtat acagaataaa agtactcgag			517
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114 <211> LENGTH: 147			
115 <212> TYPE: PRT			
116 <213> ORGANISM: Hordeum vulgare			
118 <400> SEQUENCE: 3			
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121 1 5	10	15	
124 Ser Val Leu Ala Val Ala Ala Ala Thr Leu Glu Ser Val Lys Asp Glu			
125 20	25	30	
128 Cys Gln Pro Gly Val Asp Phe Pro His Asn Pro Leu Ala Thr Cys His			
129 35	40	45	
132 Thr Tyr Val Ile Lys Arg Val Cys Gly Arg Gly Pro Ser Arg Pro Met			
133 50	55	60	
136 Leu Val Lys Glu Arg Cys Cys Arg Glu Leu Ala Ala Val Pro Asp His			
137 65 70	75	80	
140 Cys Arg Cys Glu Ala Leu Arg Ile Leu Met Asp Gly Val Arg Thr Pro			
141 85	90	95	
144 Glu Gly Arg Val Val Glu Gly Arg Leu Gly Asp Arg Arg Asp Cys Pro			
145 100	105	110	
148 Arg Glu Glu Gln Arg Ala Phe Ala Ala Thr Leu Val Thr Ala Ala Glu			
149 115	120	125	
152 Cys Asn Leu Ser Ser Val Gln Glu Pro Gly Val Arg Leu Val Leu Leu			

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Input Set : A:\Untitled.ST25.txt
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153 130 135 140
156 Ala Asp Gly
157 145
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161 <211> LENGTH: 35
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
168 <400> SEQUENCE: 4
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172 <210> SEQ ID NO: 5
173 <211> LENGTH: 29
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
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182 ccaaaccttt ttatttcatca atcggccac 29
185 <210> SEQ ID NO: 6
186 <211> LENGTH: 22
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
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197 <210> SEQ ID NO: 7
198 <211> LENGTH: 26
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
205 <400> SEQUENCE: 7
206 agaccgcgtt tatcacgttag gtgtgg 26
209 <210> SEQ ID NO: 8
210 <211> LENGTH: 19
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer
217 <400> SEQUENCE: 8
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221 <210> SEQ ID NO: 9
222 <211> LENGTH: 26
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer

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Input Set : A:\Untitled.ST25.txt
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229 <400> SEQUENCE: 9
230 agacggcgcc ggagaggacg aagcga

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VERIFICATION SUMMARY DATE: 12/30/2005
PATENT APPLICATION: US/10/561,143 TIME: 09:22:07

Input Set : A:\Untitled.ST25.txt
Output Set: N:\CRF4\12302005\J561143.raw

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:14 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE
L:16 M:289 W: Identifier Missing or Out-Of-Order, <150> PRIOR APP FILING DATE
L:17 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD